

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (CURRENTLY AMENDED) A hub and braking rotor unit for the wheel of a motor vehicle, comprising:

a rotatable hub defining a rotational axis and having an outwardly projecting radial flange defining an outwardly facing edge,

a braking rotor which is integral with or fixed for rotation with a flange which projects radially inwards and which defines an opening with an internal edge, wherein the edges of the two flanges are adjacent to each other and face each other radially,

wherein the edges have, at least along one portion thereof, the same non-circular shape in the same radial plane extending transversely to the rotational axis in order to enable the braking torque to be transmitted from the braking rotor to the hub.

2. (PREVIOUSLY PRESENTED) A unit according to claim 1, wherein the edges of the two flanges have a same generally oval or elliptical shape.

3. (PREVIOUSLY PRESENTED) A unit according to claim 1, wherein the edges of the two flanges have substantially congruent profiles viewed in the axial direction.

4. (PREVIOUSLY PRESENTED) A unit according to claim 1, wherein the two flanges are substantially aligned in the same radial plane.

5. (WITHDRAWN) A unit according to claim 1, wherein the braking rotor is mounted directly on the flange of the hub, wherein the flange projecting radially inwards is formed integrally by the braking rotor.

6. (PREVIOUSLY PRESENTED) A unit according to claim 1, wherein the braking rotor is mounted on the flange of the hub by the interposition of an annular support member fixed for rotation with the braking rotor and forming the flange which projects radially inwards and which defines the opening with the internal edge.
7. (WITHDRAWN) A unit according to claim 6, wherein the annular support member forms a radial flange which projects outwards and which defines an external edge, in that the braking rotor has a flange which projects radially inwards and which defines an opening with an internal edge, where the projecting radial flange of the annular support member is inserted in the opening of the braking rotor, and the edges of the two above-mentioned flanges are adjacent to each other and face each other in the radial direction, and the edges have, at least along one portion thereof, the same non-circular shape in the same radial plane in order to enable the braking torque to be transmitted from the braking rotor to the support member.
8. (PREVIOUSLY PRESENTED) A unit according to claim 1, wherein the outwardly facing edge is formed at least in part by the external edge of an axially thickened portion formed on a face of the flange of the hub.
9. (PREVIOUSLY PRESENTED) A unit according to claim 8, wherein the edge is formed at least in part by a plurality of axially thickened formations which extend radially on a face of the flange of the hub.
10. (PREVIOUSLY PRESENTED) A unit according to claim 6, wherein the annular support member forms a pair of flanges which project radially inwards and which extend on opposite faces of the flange of the hub, and at least one of the two flanges forms an internal edge which faces radially an outwardly facing edge formed by an axially thickened portion on a face of the flange of the hub.

11. (WITHDRAWN) A unit according to claim 6, wherein the annular support member is formed by joining at least two complementary curved portions which are joined securely to each other to form a closed ring around the external edge of the hub.

12. (PREVIOUSLY PRESENTED) A unit according to claim 6, wherein the annular support member is formed by joining two rings of bent sheet-metal which are joined securely to each other along a circumference to form a closed ring around the external edge of the hub.

13. (WITHDRAWN) A unit according to claim 1, wherein radial clearance is provided between the facing edges of the two flanges.

14. (WITHDRAWN) A unit according to claim 1, further comprising retaining means suitable for blocking or limiting relative axial movements between any two of the components constituting the unit.

15. (NEW) A unit according to claim 1, wherein the edges define a non-circular profile along the rotational axis.

16. (NEW) A unit according to claim 15, wherein the non-circular profile comprises an oval or elliptical shape.